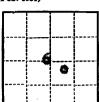
Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Form 9~881a (Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

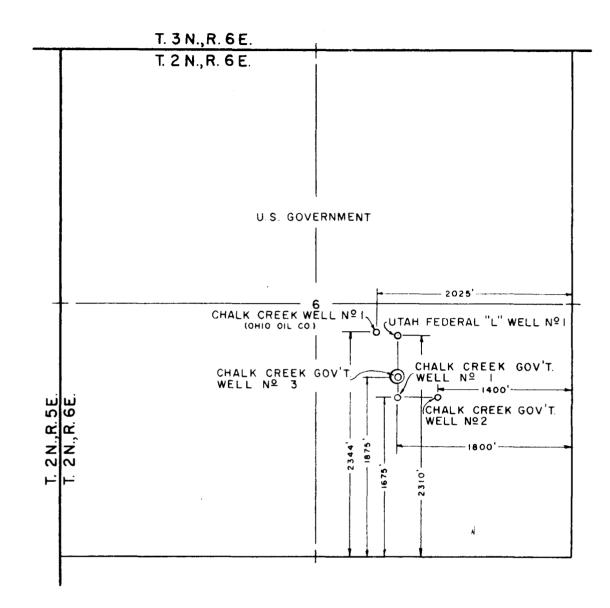
Land Offic	. Salt	Labe
Lease No.	07055	3
Unit	Leese	

OTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
OTICE OF INTENTION TO CHANGE PLANS	
OTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING.
OTICE OF INTENTION TO RE-DRILL OR REPAIR W	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
OTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
OTICE OF INTENTION TO PULL OR ALTER CASING	S SUPPLEMENTARY WELL HISTORY
OTICE OF INTENTION TO ABANDON WELL	
(INDICATE ABOVE BY	CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
halk Creek Gov't. Well No.	3 <u>September 17</u> , 1960
INT 9 1.1	6 (XXX):
	ft. from S line and 1800 ft. from E line of sec. 6
() Sec. and Sec. No.) (Twp	5. L. H. (Range) (Meridian)
Mark and Mar	ummit Utah
(Field)	(County or Subdivision) (State or Territory)
e names of and expected depths to objective san ing poir	DETAILS OF WORK Indes; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementats, and all other important proposed work) FILL the subject well to an approximate depth of
e names of and expected depths to objective san ing point would like permission to de to for use as an observation of the chalk creek area. This is in and cement about 175 and sufficient cement to cement to cement to cement to cement to provide sufficient cement sufficient sufficient cement sufficient suffi	DETAILS OF WORK Index show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementars, and all other important proposed work) Fill the subject well to an approximate depth of on well for our proposed gas storage project in well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well of 10-3/4" GD, 32.75%, H-40 drnd that STAC casing sent the easing to surface. At a depth of about J-55, find that STAC casing will be run and coment test and isolate the observation sends in open hole
onames of and expected depths to objective san ing poin would like permission to do to for use as an observation of for use as an observation of the control	DETAILS OF WORK Index show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comentate, and all other important proposed work) Fill the subject well to an approximate depth of on well for our proposed gas storage project in well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well of 10-3/4" GD, 32.75%, H-40 drnd thd STAC casing went the easing to surface. At a depth of about J-55, find the STAC casing will be run and coment test and isolate the observation sends in open hole test and isolate the observation sends in open hole test depth. The ention to the State of Utah, Oil & Gas Conservation their approval of the subject well and request an ease of (1) geological conditions and (2) Mountain of all oil and gas leases within 660° of the propose
e names of and expected depths to objective san ing poin would like permission to de O' for use as an observation of the Chalk Creek area. This is a chalk Creek area and to come of the company of this motion of interesting and to come to the company is the owner of the company is the company in the company is the company in the company is the company in the company in the company is the company in the company in the company in the company is the company in the c	DETAILS OF WORK Index show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementate, and all other important proposed work) Fill the subject well to an approximate depth of on well for our proposed gas storage project in well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well of 10-3/4" GD, 32.75%, N-40 drnd thd STAC casing, ment the easing to surface. At a depth of about J. J-55, find thd STAC casing will be run and cement test and isolate the observation sends in open hole test and isolate the observation sends in open hole test and expensed of the subject well and request an ease of (1) geological conditions and (2) Mountain f all oil and gas leases within 560° of the propose approval in writing by the Geological Survey before operations may be commenced.
would like permission to an O' for use as an observation of the Chalk Creek area. This will run and cement about 175 ing sufficient cement to cement to produce the casing of 7" OD, 20% is sufficient cement to produce the casing point and to copy of this motion of intermission, we are requesting ception to Rule C-3 (b) been oply Company is the owner of	DETAILS OF WORK Index show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementate, and all other important proposed work) Fill the subject well to an approximate depth of on well for our proposed gas storage project in well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well will be drilled in the Kelvin formation. Well of 10-3/4" GD, 32.75%, N-40 drnd thd STAC casing, ment the easing to surface. At a depth of about J. J-55, find thd STAC casing will be run and cement test and isolate the observation sends in open hole test and isolate the observation sends in open hole test and expensed of the subject well and request an ease of (1) geological conditions and (2) Mountain f all oil and gas leases within 560° of the propose approval in writing by the Geological Survey before operations may be commenced.

location.

A stipulation to waive the provisions of 30 CFR 221.20 (a) has been filed with the Supervisor, United States Geological Survey, and upon receipt of the Supervisor's approval, a copy will be furnished for your files.

St. Brug



REVISIONS		MOUNTAIN FU	EL SUPPLY CO.
DESCRIPTION	DATE BY	ROCK SPRI	NGS, WYO.
Chalk Creek Gov't. № 2 location	7-5-60 RIVM	WELL LOC	ATION MAP
Chalk Creek Gov't. № 3 Location	9-22-60 RGM	CHALK CR	EEK AREA
		SEC. 6, T	2N.,R.6E.
		SUMMIT CO	UNTY, UTAH
		DRAWN 6-15-60 RWM	SCALE 1"= 1000'
The state of the s		CHECKED KAL	DRWG.
		APPROVED &	NO. M-6361

September 20, 1960

Mountain Fuel Supply Co. P. O. Box 1129 Rock Springs, Wyoming

Attention: Mr. Simon, Vice President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Chalk Creek Gov't. #3, which is to be located 1875 feet from the south line and 1800 feet from the east line of Section 6, Township 2 North, Range 6 East, SLM, Summit County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted. However, this approval is conditional upon a Plat being filed with this office according to Rule C-4 (a), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Gas Conservation Commission.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours.

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT, EXECUTIVE SECRETARY

CBF:awg
co: Don F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

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Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Form 9-331 a (Feb. 1951)	
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	Salt Lake
Lease No	070555
Unit	L

SUNDRY NOTICES AND REPORTS ON WELLS

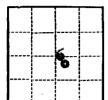
NOTICE OF INTENTION TO DRILL	SUBSEC	QUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SSUBSEC	QUENT REPORT OF SHOOTING OR ACIDI	ZING
NOTICE OF INTENTION TO TEST WATER S	HUT-OFFSUBSEC	QUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR I	REPAIR WELLSUBSEC	QUENT REPORT OF RE-DRILLING OR RE	PAIR
NOTICE OF INTENTION TO SHOOT OR ACI	IDIZE SUBSEQ	QUENT REPORT OF ABANDONMENT	1
NOTICE OF INTENTION TO PULL OR ALTE	R CASINGSUPPLE	MENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	L		
(INDICATE A) Chalk Creek Government	BOVE BY CHECK MARK NATURE OF R		
			, 19 60
e de la companya de	ft. from. S line	and 1800: ft. from	ne of sec.
SE IN SE sec. C	23 62	5. L. M.	
(14 Sec. and Sec. No.) Chalk Creek area	(Twp.) (Range)	(Meridian)	
(Field)			ritory)
he elevation of the derrick no			
this well was spedded on ourface casing was run i l Weatherford Texas pa jts. 10-3/4" 32.75# H-	into the well:		##1 1.25' 176.25' 179.50'
conded the above casing person. Rotated casing person returns to surface pressure test held good. DT 41: Misrum at depth 187 42: 912'-1006', Kelvito surface immediately. At rate of 439 Mof per designation of 439 Mof per designation.	while circulating and the pressure tested of 1008'; packers from formation, tool of In 10 minutes gauge	nd mixing cement and he casing to 500 psi for miled. Open 70 minutes, shut and 396 Mof, increasing	in 30 minutes, and leveling
I understand that this plan of work mu	•		•
Company Mountain Fuel B			
ddress P. O. Box 1129			
		- 12	
Rock Springs, V	youthu	By Aime	

ISIP 104 pei, IMEP 410 pei, IFP 104 pei, FFP 104 pei, FEMEIF 104 pei, FEME 410 pei. Fresently drilling at a depth of 1141'.

MISSION

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Form 9-881 a (Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	Salt Lako
Lease No	070555
Unit	Losso

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL				
	BSEQUENT REPO	RT OF WATER SHUT-OF	F	
OTICE OF INTENTION TO CHANGE PLANS	BSEQUENT REPO	RT OF SHOOTING OR A	CIDIZING	
OTICE OF INTENTION TO TEST WATER SHUT-OFF	BSEQUENT REPO	RT OF ALTERING CASIN	G	
IOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	BSEQUENT REPO	RT OF RE-DRILLING OR	REPAIR	
OTICE OF INTENTION TO SHOOT OR ACIDIZE	BSEQUENT REPO	RT OF ABANDONMENT		
NOTICE OF INTENTION TO PULL OR ALTER CASING	PPLEMENTARY \	VELL HISTORY		XX
NOTICE OF INTENTION TO ABANDON WELL			•	
(INDICATE ABOVE BY CHECK MARK NATURE	OF REPORT, NOT	ICE, OR OTHER DATA)		
Thalk Creek Got't. Well No. 3	October	ıô		19 60
/ell No3 is located _1875 ft. from{S}	line and 16	oft. from	line of sec.	6
धा अध्यक्त रहे व्या		La Na	-	
(1/4 Sec. and Sec. No.) (Twp.) (Range)		(Meridian)		
Chalk Creek area Symmit (Field) (County or Subdivi		Utah	Territory)	
(Field) (County of Educative	3104)	(Diane or	1611160197	
ne elevation of the denials floer above sea level is	556.5 ft.			
DETAILS OF	F WORK			
ate names of and expected depths to objective sands; show sizes, weigh ing points, and all other imp	ts, and lengths	f proposed casings; indi	icate mudding jobs	, cement-
me subject well was spudded on September	26, 1960	. At a depth	of 183', t	
	well:		95	41001
11 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75# H-40 Srnd thd STac			.25 .25	
1 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75# H-40 Srnd thd STNC as above easing was landed at 177.65' KES	casing	170 171 Inted with 11	.25' .25' .50'	wler Presew
1 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75# H-40 Srnd thd STNC he above easing was landed at 177.65' KB ment with Howeo equipment. Had 7 barrel	casing tank com ts of com	170 170 Inted with 110 Int returns to	.25' .25' .50'	ular Presew
6 jts. 10-3/4 32.75# H-40 8rnd thd STac me above easing was landed at 177.65' KBN ment with Howeo equipment. Had 7 berrel ested casing to 500 pei for 15 minutes; to	casing and com a of com test held	170 170 Inted with 110 Int returns to	.25' .25' .50'	ular Presew
1 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75# H-40 8rnd thd STM me above easing was landed at 177.65' KM ment with Howeo equipment. Had 7 berrel ested casing to 500 pei for 15 minutes; to 17 #1: Depth 1008', misrum, packer fails	casing sand com as of com cest held	170 170 inted with 113 int returns to good.	.25' .25' .50' secks reg	Preseu
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1 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75% H-40 Srnd thd STN e above easing was landed at 177.65' KBs ment with Howeo equipment. Had 7 barrel sted casing to 500 psi for 15 minutes; t T fl: Depth 1008', misrum, packer fails 1 42: 912'-2008', Kelvin formation, too	casing and com a of com cest held a. 1 open 70 and 396	inted with 11; ant returns to good. minutes, she tof, increasing	.25' .25' .50' sacks reg surface.	Preseus mates, ef gas
1 Weatherford Texas pattern shoe 6 jts. 10-3/4: 32.75# H-40 Srnd thd STN e above easing was landed at 177.65' KB ment with Howeo equipment. Had 7 barrel sted casing to 500 psi for 15 minutes; t T fl: Depth 1006', misrum, packer fails T f2: 912'-2008', Kelvin formation, too s to surface immediately; 10 minutes gas	casing sand com sof com cest held d. logen 70 aged 396	inted with 113 and returns to good. minutes, shows, increasing the contract of the contract o	.25' .50' sacks reg surface. at in 30 min to 439 M psi, (Con	Proseum mates, ef gas t'd c
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Weatherford Texas pattern shoe if jts. 10-3/4' 32.75/ H-40 Srnd thd STac e above easing was landed at 177.65' KB ment with Howeo equipment. Had 7 barrel sted casing to 500 psi for 15 minutes; to fil: Depth 1006', misrum, packer fails 1.42: 912'-1006', Kelvin formation, too to surface immediately; 10 minutes gas r day at end of test. Recovered 200' gas I understand that this plan of work must receive approval in writing to mpany Mountain Fuel Supply Company	casing fand com is of com cest held id. il open 70 aged 390 il is cut max by the Geologica	inted with 113 and returns to good. minutes, shows, increasing the contract of the contract o	1.25' 3.25' 3.50' 5 surface. It in 30 min to 139 M poi, (Commer may be commer	Proseum mates, ef gas t'd c

THEP 410 pei, BEFF's 104 pei, FRESIP 106 pei, PHEP 410 pei.

DET #3: 1375'-1434', Kelvin formation, tool open 30 minutes, shut in 30 minutes, fair blow throughout test, no gas up. Recovered 1200' water. IBMEIP 544 pei, IMMEP 665 pei, IF 291 pei, FF 544 pei, FBMEIP 544 pei, FMEP 669 pei.

The subject well was drilled to a total depth of 1500 feet at which depth

	Diloving casing was run:	<u>Net</u>	Q Z Q44
1	Howeo formation packer shoe	#et 2.88*	9 <u>7244</u> 2.55
	Howco casing swivel	3.62'	3.68
45	Jts. 7" OD 20# J-55 Sand the STAC casing	1363.85"	1375.55
	· · · · · · · · · · · · · · · · · · ·	1370.35	1280 11

The above casing was landed at 1376.10' KBM and commuted with Howco equipment, using 295 sacks regular coment. A temporature survey indicated top of coment behind 7" OD casing at 513' KBM.

Drilled out cement plugs and classed out hole to total depth of 1500'. A swabbing test was run which indicated a recovery of 146 barrels of water in 1 hour 13 minutes. The well was shut in and the rig released on October 11, 1960. This well is completed as an observation well for the proposed gas storage project in this area.

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Form 9-330

anget Bureau No. 42-R355.4.

U. S. LAND OFFICE Selt Lake City
SERIAL NUMBER 070555
LEASE OR PERMIT TO PROSPECT L.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

T	•										nes, Wyoni
		Chalk Cre									
											ation 5564.1
		tion given he letermined fr		ailable re		6	W.	e well and			lone thereon
Date	Novembe:	8, 1960					$Title_{}$	Vice P	resi	dent	
Tł	ne summar	y on this pag	ge is for th	he condit	ion of the	well at	t above date	e.			
Commo	enced drill	ing Septemb	er 26	, 1	9 60 Fi	nished	drilling	October	7		, 19. 60
			OI	L OR G	AS SAND	S OR	ZONES				
					Denote gas b						
No. 2,	from		_ to		N	o. 5, fr	om		to .		
No. 3,	from		. to		N	o. 6, fr	om		_ to .		· · · · · · · · · · · · · · · · · · ·
			I	MPORT.	ANT WAT	TER S	ANDS				
No. 1,	from	1376	to 15	00	N	o. 3, fr	om		_ to .		
No. 2,	from		_ to		N	o. 4, fr	om		. to		
				CA	SING RE	CORD	•				
Size	Weight	Threads per	Make	Amount	Kind of s	hoe C	ut and pulled fr	om	erfora		Purpose
casing 0-3/4	per foot 32.75	8rnd	Spang	179.5	O Weath	wrfor		From	-	To-	surface
Jof shot	s 50f plugs	ratinges were	Brust.	1366	T Tallowed	cf n ate	erial used, pos	LOP (MOX	#)	OJ EDBI	in Drodunt
W. S	ubing L	1 100 13 . y au	its results	if there	A Transfer of the second	henges off hos	made in the c	asing, state	151	TUNE L	illing, together any casing was an, and number ing a number
<u>1</u> t	is of the are						NE WELL				
				1				EG450895		. (211, 1 %)	ENT FAINTING DEFICE
	<u> </u>		MUDE	DING AN	ND CEME	NTIN	G RECORI	<u> </u>			
Size	Where set	Numt	er sacks of ce	ment	Method u	sed	Mud gravit	y	Ame	ount of m	aud used
casing	177.65	115			Displace	ment	by Howco		bbl	s. Vai	ter.
	1376.10						by Howco				r & 46 bbl
No	tubing 1	n well.									
	1	1			<u>-</u>						
					S AND A						

Heaving plug—Material Length Depth set Adapters—Muterial Size Shouting RECORD Size Shell used Exploder used Quarity Date Depth shot Depth deaned out TOOLS USED Rotary tools were used from P feet to 1500 feet, and from feet to DATES St October 11 1960 Put to producing Well shut in for gas/, 1 The production for the first 24 hours was barrels of fluid of which % was oil; emulsion; % water; and % sediment. Gravity, B6. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in EMPLOYEES L. E. King Driller F. L. Shaw FORMATION RECORD TO— TOTAL FEET FORMATION Bee attached formation record. (2) Electric logs enclosed	water & 46 b	10 bbl wa	Bowes	sent b	Displace		295	76.10	
Heaving plug—Material Length Depth set Adapters—Material Size SHOOTING RECORD Size Shell used Explosive used Quantity Date Depth shot Depth deaned out TOOLS USED Rotary tools were used from feet to 1500 feet, and from feet to Cable tools were used from feet to feet, and from feet to DATES October 11 1960 Put to producing Well shut in for gas/, 1 The production for the first 24 hours was barrels of fluid of which was oil; emulsion; water; and sediment. Gravity, °Bé. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in EMPLOYEES L. E. King Driller F. L. Shew FORMATION RECORD FROM— TO— TOTAL FEET FORMATION See attached formation record.							11.	ing in vo	No trans
Heaving plug—Material Size SHOOTING RECORD Size Shell used Explosire used Quaritity Date Depth shot Depth cleaned out TOOLS USED Rotary tools were used from feet to feet, and from feet to Cable tools were used from feet to feet, and from feet to DATES October 11 ,1960 Put to producing Well shut in for gas/, 1 The production for the first 24 hours was barrels of fluid of which % was oil; emulsion; water; and sediment. Gravity, Be. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in EMPLOYEES L. E. King Driller F. L. Shew FORMATION RECORD FROM— TO— TOTAL FEET FORMATION See attached formation record.		-							
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TOOLS USED Rotary tools were used from feet to 1500 feet, and from feet to Dates Cable tools were used from feet to 1500 feet, and from feet to Dates October 11 ,1960 Put to producing Well shut in for gas 1. The production for the first 24 hours was barrels of fluid of which % was oil; emulsion; water; and sediment. Gravity, °B6. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in EMPLOYEES L. E. King Driller F. L. Shaw FORMATION RECORD FROM— TO— TOTAL FEET FORMATION See attached formation record.					i	1		-wateriai	taapters—
TOOLS USED Rotary tools were used from 9 feet to 1500 feet, and from feet to Cable tools were used from feet to feet, and from feet to DATES October 11 , 1960 Put to producing Well shut in for gas, 1 The production for the first 24 hours was barrels of fluid of which was oil; emulsion; % water; and % sediment. Gravity, °Bé. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in. EMPLOYEES L. E. King Driller F. L. Shaw FORMATION RECORD FROM— TO— TOTAL FEET FORMATION See attached formation record.		D4b	Denth shed						91
TOOLS USED Rotary tools were used from feet to 1500 feet, and from feet to DATES October 11 1960 Put to producing Well shut in for gas/, 1 The production for the first 24 hours was barrels of fluid of which % was oil; emulsion; % water; and % sediment. Gravity, °Bé. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in EMPLOYEES L. E. King Driller FORMATION RECORD FROM— TO— TOTAL FEET FORMATION See attached formation record.	on cleaned out	Depth	Deptil shot	Date	Quantity	usive useu	ESI	Spen useu	Size
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emulsion; —% water; and —% sediment. Gravity, °Bé. If gas well, cu. ft. per 24 hours — Gallons gasoline per 1,000 cu. ft. of gas —— Rock pressure, lbs. per sq. in —— EMPLOYEES L. E. King — Driller — L. Shew —— FORMATION RECORD FROM— TO— TOTAL FEET — FORMATION See attached formation record.	or gas/, 1900	shut in for	ucing Vell	to prod	Put	9 60	,	er II	Octobe
If gas well, cu. ft. per 24 hours	was oil;	ich% w	fluid of wh	arrels o	s b	24 hours was	or the first	roduction fo	The pr
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FROM— TO— TOTAL FEET FORMATION See attached formation record.	, Dril	W	F. L. She		r	Drille) 	H. Nounce	C. 1
See attached formation record.) 	ECORI	MATION R	FOR			
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COMPLETION REPORT

Operator: Mountain Fuel Supply Company Well: Chalk Creek Government Well No. 3

Area: Chalk Creek

Location: 1800 feet from East line, 1875 feet from South line, sec. 6, T. 2 N.,

R. 6 E., Summit County, Utah
Elevation: 6556.5 feet, Ground - 6564.5 feet, Rotary Bushing
Drilling Commenced: September 26, 1960

Drilling Completed: October 8, 1960

Rig Released: October 11, 1960 Total Depth: 1500 feet

Casing: 10-3/4-inch at 177.65 feet w/ll5 sacks cement 7-inch at 1376.10 feet w/295 sacks cement

Productivity: None

Formation Tops: Kelvin - Surface to Total Depth

Remarks: Cored from 1343 feet to 1395 feet

Completed as Observation Well

DRILL-STEM TESTS

				_					
No.	Date	Total Depth	Bottom Packer	Sand	Min. Tool Open	Final BHFP	Final BHSIP	<u> FHHP</u>	Remarks
1	10-4-60	1008							MISRUN. Packer seat failed.
2	10-4-60	1008	912	932-946 952-967 975-985 990-1008	70	104	104	410	Gas to surface immedi- ately, max. gauge 439 MCF. Rec. 200° gas-cut mud.
3	10-9-60	1500	1375	1375-1434	30	544	544	669	Rec. 1200' water.

Page 2

Farm

Chalk Creek Government

Well No. 3

Сомрану

Mountain Fuel Supply

Compan	J	Mountain Fuel Supply
	i	FORMATION RECORD
From	To	
1170	1180	Same as above; sandstone, reddish-brown, very fine grained, soft, argillaceous, tight.
1180	1190	Same as above; no sandstone.
1190	1220	Shale as above, mostly gray and lavender.
1220	1240	Same as above, reddish-brown; sandstone, light brown, very fine grained, argillaceous, soft.
1240	1280	Shale, reddish-brown, sandy, soft, grading to sandstone, reddish-brown, very fine grained, argillaceous, soft; with some lavender and gray shale.
1280	1290	Shale, gray, lavender, soft; sandstone, light gray to white, very fine grained, argillaceous, firm, tight.
•	1300	Shale as above, light to dark gray.
1300	1310	Sandstone, light gray to white, very fine to coarse grained, unsorted, subangular, firm, tight, with black, pink, and green grains.
	1320	Shale as above.
	1330 1343	Shale, brown, soft, with scattered fine sand grains. Shale, lavender, gray, brown, soft.
	Core	<u>#1</u> : 1343'-1372' Recovered 22'
	- Sand	e, gray, silty, hard. stone, light gray, fine grained, cross-bedded, massive, hard, tight, e with black laminations and several high angled calcite-filled ctures.
3.01	- Shal	e, black, hard with light gray siltstone, laminations and one siltstone eak 6" thick.
	- Sand	stone, light gray, very fine grained, hard, tight with dark cross inations, vertical calcite-filled fracture length of interval.
8.01	- Shal	e, mottled reddish brown and dark green, silty, hard, no fractures.
	Core	#2: 1372'-1387' Recovered 10'
3.01	gra	rlaminated shale, gray, silty, hard and sandstone, light gray, very fine ined, hard, argillaceous, tight with some high angled calcite filled ctures and a breccia zone l' from top.
7.01	bla fra	stone, light gray, fine to medium grained at bottom, hard, tight with ck cross laminations, bottom 1.5° is breccia zone with dark gray shale gments and light gray sandstone fragments, one high angled calcite led fracture.
	Core	#3: 1387'-1395' Recovered 7.5'
7.51	- Sand	stone, light gray, very fine grained, hard, tight with black cross

- 7.5' Sandstone, light gray, very fine grained, hard, tight with black cross laminations and some high angled closed calcite filled fractures, 85% yellow fluorescence, no odor.
- 1395 1450 Sandstone, light gray to white, fine to coarse grained, unsorted, hard, tight with dark grains. Yellow fluorescence.
- 1450 1480 Sandstone as above; increase in shale, variegated, silty, firm.
- 1480 1490 Sandstone as above; increase in shale as above.
- 1490 1500 Sandstone as above, poorly sorted, loose, subangular grains; shale, variegated as above.

				<u> </u>			
Field Chalk Creek	State	Utah	County_	Summit	Sec. 6	T_2	N. R. 6 E.
Company Mountain	Fuel Supply	_ Farm	Chalk Creek	Government	Well No	3	
	Location 1800	FEL. 1875	FSL	Elev. 655	56.5° Gr.		
	Drilling Commence	ed Septer	ber 26/1960	Completed	1 October	8/1960)
	Rig Released Oct	ober 11/19	960	Total Dep	th 1500†		
	Casing Record 1	0-3/4-inch	at 177.65 f	eet w/115 s	sacks ceme	nt	
	Casing Record 1	7-inch at	1376.10 feet	w/295 sack	cs cement		
Chalk (reek Govit. #3	Tubing Record						
	Perforations						
					-		
I. P. Gas No	Production		Oil				
Sands		·					
Shut-in Surface Pressure	8				·		
							·
Remarks Completed	as Observation	Wall	····				
Cored fro	m 1343 feet to	1395 feet					
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PORMA	TION RECORD			FORMA	TION RECOI		
	TION RECORD			FORMA		FROM	
PORMA'KELVIN	TION RECORD			FORMA			•
KELVIN						Surf	•
KELVIN No Samples Shale, gray, brownis	h-red, brown, s			ncalcareous	. sandston	Surf	ace.
KELVIN No Samples Shale, gray, brownis white, fine grained	h-red, brown, s	rted, slig	htly calcare	ncalcareous	s; sandston	Surf	920
KELVIN No Samples Shale, gray, brownis	h-red, brown, s , hard, well so ains; trace lim	rted, slig	thtly calcare ite to gray,	ncalcareous	s; sandston	Surf	ace.
KELVIN No Samples Shale, gray, brownis white, fine grained orange and black gra	h-red, brown, s , hard, well so ains; trace lim ease in sandsto	rted, slig estone, wh ne as abov	thtly calcare tite to gray, re.	ncalcareous ous, tight, hard, crys	s; sandston with some stalline.	Surf	920 940
KELVIN No Samples Shale, gray, brownis white, fine grained orange and black gra Shale as above; decre	h-red, brown, s , hard, well so ains; trace lim ease in sandsto fine grained,	rted, slig estone, wh ne as abov friable to	thtly calcare tite to gray, re. loose, calc	ncalcareous ous, tight, hard, crys	s; sandston with some stalline.	Surf	920 940
KELVIN No Samples Shale, gray, brownish white, fine grained orange and black gra Shale as above; decre Sandstone, tan, very	h-red, brown, s, hard, well so ains; trace limease in sandsto fine grained, tight, no fluor	rted, slig estone, wh ne as abov friable to escence; s	htly calcare ite to gray, re. loose, calc hale, varieg	ncalcareous ous, tight, hard, crys areous, wel	s; sandston with some stalline.	Surf 0 10, 920 940	920 940 950
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No Samples Shale, gray, brownish white, fine grained orange and black gray. Shale as above; decreased in sandstone, tan, very subrounded grains, Decrease in sandstone. Sandstone, gray, very fine grained, benton shale, gray, brownishale, gray, brownishale as above; sandstone, tan, fine subrounded grains; whale as above. Same as above; sandstone as above; sandstone, tan, fine subrounded grains; whale as above; sandstone as	h-red, brown, so hard, well so ains; trace lime ease in sandsto fine grained, tight, no fluore as above; ince y fine to fine nitic, fair sor sh-gray mottled stone as above. grained, friab with some black tone as above,	rted, slig estone, wh ne as above friable to escence; s rease in s grained, c ting, subr , silty, f le to hard and red i	thtly calcared ite to gray, re. I loose, calculate, varies thale as above alcareous, founded grain irm. I, tight, calculations, notusions, notusions, notusions, notice items.	ncalcareous ous, tight, hard, crys areous, wel ated as abo e. riable, som s, no fluor careous, we	s; sandston with some stalline. Il sorted, ove. He hard, escence; Ell sorted, once;	920 940 950 960 970 981 988	920 940 950 960 970 981 988
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Budget Bureau No. 43-R266.4. Approval expires 12-81-86.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LAND OFFICE	Salt Lake	_
	070555	
UNET		

LESSEE'S MONTHLY REPORT OF OPERATIONS

	State	ш	tah		C	ountySur	mit	••	Fle	d Chal	x Orees		********
	Th	s foli	lowing	is a	corre	ot report of AUG	operati	ions and	pro	duction (i	noluding d	irilling and prod	uoing
												VEL SUPPLY	COMPANY
	<u>-</u>										J.	2. neely	********
ROCK Springer, Wynating Signed 17, 7, 10, 11, 12, 12, 12, 12, 12, 12, 12, 12, 12											 -		
	SHO, AND	TWP.	RANGE	WELL No.	DATS Pacecous	Barris of Oil	GRAVITT	Ov. Fr. or (In thousan	GAS	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARES (If drelling, depth; if shut don date and result of test for g content of gas)	-
NW	SE 6	2	£.	i.		Government	Well	0				Well head pre	ssure 900 <i>‡</i>
NW	SE 6	2		9						:		Observation W Casing pressu Tubing pressu	re 18#
лМ	SE 6	2	6	3	,							Gas withdrawn Month Well head pre	
SW	SW 6	<u>.</u>										Water withdra Tubing pressu Casing pressu	re 900#
NE	SE 6	2	6	7		Chio Oil C	0.					Observation W Well head pre	
NW	SW 6	2	6	1		Teyota Fe	deral	"L" Wel	n			Observation Well head pre	

Form 9-899 (January 1960)

nums or sales of gasoline during the month. (Write "no" where applicable.)

Now.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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UNITED STATES								
DEPARTME	NT	OF	THE	INTERIOR				
GFO	GEOLOGICAL SURVEY							

		٠ ــ
Salt	Lake	 √

	07055	Salt Lake 070555

LESSEE'S MONTHLY REPORT OF OPERATIONS

	State	3	U:	tah	·	<i>C</i>	ounty Sun	mit		Flel	d Chal	k Oreek	
,	wall-	The	o follor th	owing	is a	oorre	et report of	operati		prod	luction (i	noluding d	irilling and producing
•	Afon	t's	addi	·688	P	0. Bg	x ILON S daga, Vyi City, Utar	82				NTAIN I	TUEL SUPPLY COMPANY
	Phon	ю			Salt	Lake	City, Utar	ì		Age	nt's title	OFFICE Sional C	Monday:
	SEC. A	RP K	Twr.	BANGS	WELL No.	DATS Passesses	BARRELS OF OIL	GBAVITI	Ov. Fr. or G (In thousand	امدد	GALLONS OF GASOLINE RECOVERED	BARRILS OF WATER (If none, so state)	REMARES (II delling, depth; if abox down, enem; date and small of test for gardine content of gas)
NW	SE	6	2	6	1		Government	Well	<u> </u>				Well head pressure 898#
NW	SE	6	2	6	2								Cheervation Well Casing pressure lof Tubing pressure lof
νw	SE	6	2	6	3								Gas withdrawa during mouth Well bood processre 6186
SW	SW	6	2	Ó	<u>†</u>								Water withdrawal well Tabing pressure 899# Casing pressure 806#
NE	SE	6	2	6	1		Ohio Oil (o.					Cheervation wall Well head pressure 897#
NW	SW	<u>6</u>	2	6	1		Texota Fe	deral	"L" Wel	1			Observation wall Wall bond pressure Oph

Norm,—There were _____ M eu. ft. of gas sold;

Norm.—Report on this form is required for each other far month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the Status of the status of operations.

Form 9-396

	-		-			97. 1.1		
			UNI	TED	STAT	ES		
DEP.	AF	? T	MEN	T OF	THE	INTE	RIOR	ł
		G	EOL	OGICA	L SUR	VEY		

AND OFFICE	Salt	Lake	_
EASE RUMBER	0705	55	_
Iter			•

MONTHLY	DEPORT	OF	OPED	ATTONIC
MONIULI	REPURI	Ur	UPER	Cruita

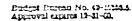
State	_						Fie			
										Brilling and producing
Agent's	addr	ess	P.	O. BO	X 11368			npany	MOUNTAI	N FUEL SUPPLY COMPANY
		· • • • • • • • • • • • • • • • • • • •	SAL	T LAK	E CITY, UTA	H 8	4139 Sign	ned	J. YY	whey
Phone.			328	-8315			Age	nt's title .	CHIEF A	CCOUNTANT
Sec. and 14 of 14	Twr.	RANGE	WELL No.	DATE PRODUCED	Barbris of Oil	GRAVITT	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, drith; if that down, cause; date and result of text for gasoline content of gas)
					Government	Well	S			
a se 6	ЗM	6E)	1							Injection and with- drawal of gas during month. Well head pressure 2000
d se 6	2N	6时	2				÷			Observation Well Casing pressure 37 Tubing pressure 39
√se6	SN	6E	3		·					Gas withdrawn during month. Well head pressure
√ SW 6	5 <i>i</i> l	6E	4							Water withdrawal well rubing pressure 1053 Casing pressure
≆ इ. 6	5 <i>M</i>	6E	1		Ohio Oil (0.				Observation well Well head pressure Cosing Pressure Tubing Pressure 2000
₩ SE 6	SN	6E	1		Texota Fed	eral	"L" Well			Observation well Well head pressure C-2cmo 1059 C-1 Come (19)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Note.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

Form 9-829 (January 1950)

16-23760-8 U. S. GOYERHMENT PRINTING OFFICE





UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

		÷ .		
LAND OFFICE .	Salt	шаке		
LEASE NUMBER	07955	5		-
UNIT				-

LESSEE'S MONTHLY REPORT OF OPERATIONS

			3 A L	T LAK	E CITY, UTA	AH S	4139 Sig	mpany MOUNTAIN FUEL SUPPLY COMPA ned Downtain Fuel Supply Company ent's title CHIEF ACCOUNTANT				
Suc. AND	Twp.	RANSE	WELL No.	Олтв Ресобсер	BARBELS OF OIL	PTIVARD	Cr. Fr. or Gas (In thousands)	GALLONS OF GASOLINZ RECOVERED	BARRES OF WATER (U none, so state)	REMARKS (If drilling, depth; if abut down cause, date and result of test for gasoline content of gas)		
					Governmen	Well	S					
SE 6	2M	64	1							Injection and with- drawal of gas during month. Well head pressure		
SE 6	SN	6部	2							Observation Hell Casing pressure Tubing pressure		
36 6	2N	64	3							Gas withdrawn durin month. Hell head pressure		
su 6	2N	F=	· 							Water withdrawal we Fubing pressure		
ाम ६	277	45	2		Ohio Oil	30.				Observation well well head pressure		
o se k	21	 	1		Texota Te	deral	"[" Vall			Observation well Hell nesd pressure		

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Paran approved Budget Bureau No. 42 Kind h

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

LAND OFFICE SALO . DAKO			
LEASE NUMBER 970555	 	_	
UNIT		 	

LESSEE'S MONTHLY REPORT OF OPERATIONS

					SA.	LT LAK	E CITY, UT	AH 8	4139 s	Company MOUNTAIN FUEL SUPPLY COMP Signed 2- Your buy Agent's title MANAGER GENERAL ACCOUNTE				
	SEC. AND	Tw	P. R	ANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cv. Fr. or G. (In thousands	GALLONS OF GABOLINE RECOVERED	WATER (II	REMARKS (II drilling, depth: if shut down, cause; date and result of teet for gasoline content of gas)		
W	SE 6	210	6	Ē	1		GOVERNMENT	WELLS				Injection and with- drawal of gas during month. Well head		
W	SE 6	2N	6	E	2		REI	EIVEN 26 19	76			Observation Well Casing pressure 42 Tubing pressure 42		
J	SE 6	2N	6	Ē	3			DN OF				Gas withdrawn durin month. Well head pressure 772		
1	sw 6	2N	6	Ε	½		3					Water withdrawal we Tubing pressure 928 Casing pressure 923		
1	SE 6	2N	6	Έ	1		OHIO OIL	co.				Observation well Well head pressure Casing pressure 465 Tubing pressure 920		
J	SE 6	2N	6	Ē	1		TEXOTA FE	DERAL	"L" WELI			Observation well Well head pressure S-Zone 920 SI-Zone 764		

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Paran approved. Budged Bureau No. of More a

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

DATE CONDITIONS SOME COLUMN SERVICE SERVICES SER

DESSEE'S MONTHLY REPORT OF OPERATIONS

	Age	nt's	addr	e88	SA.	LT LAK	E CITY, UT	AH 81	139 si	Signed 3- Managed Supply Confund					
	Pho	ne			53	4-5406)			gent's title	MANAGER.	F FENERAL ACCOUNTING			
	8rc. 14 01	and 1 %	TWP.	RANGE	WELL No.	Дата Раорисар	Barrels of Oil	GRAVITY	Cv. Fr. or GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS IN WATER IN Done, so state	REMARKS (If drilling, depth, if shot down, cause, date and roult of test for casoline content of see)			
						-	GOVERNMENT	WELL	3		i i				
W	SE	6	SN	6E	1.							Injection and with- irawal of gas during month. Well head pressure			
W	SE	6	SN	6E	2							Observation Well Casing pressure Tubing pressure			
Ŋ	SE	6	SN	6E	3							Res withdrawn during month. Well head pressure			
M	SW	6	SN	6E	14		OHIO OIL	CO.				Vacer withdrawal w Tubing pressure Tasing pressure			
พ้	SE	6	SN	6E	1							Discrivation well Tall head pressure Taking pressure			
							TEXOTA FE	DERAL	"L" WELL	-	!				
M	SE	6	SN	6E	1							Tribrestion well Tall boad pressure S-Tone			

runs or sales of gasoline during the month. (Write "no" where applicates.)

Note.—Report on this form is required for each calendar month, regardless of the status of operators, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES DEPARTMENT OF THE INTERIC GEOLOGICAL SURVEY

LAND OFFICE Sall Lake		
LEASE NUMBER 97955	 	
UNIT		

LESSEE'S MONTHLY REPORT OF OPERATIONS

-				*e88	SA	LT LAP	Œ CITY, UT	18 HA	+139 Si	ned D.	Maria	FUEL SUPPLY COMPANY ALLEY GENERAL ACCOUNTING
=	8xc. % o	AND	<u> </u>	RANGE	WELL No.	DATS PRODUCED	Barrels of Oil	GRAVITY	Cv. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARREIS OF WATER (If none, so state)	REMARKS (If drilling, depth: if shut down, cause; date and result of test for gasoline content of gas)
W	SE	6	SN	6E	1.		GOVERNMENT	WELLS				Injection and with- drawal of gas durin
W	SE	6	2N	6E	2							month. Well head pressure Observation Well Casing pressure Tubing pressure
V	SE	6	SN	6E	3					!		Gas withdrawn during month. Well head pressure
V	SW	6	SN	6E	4							Water withdrawal we Tubing pressure Casing pressure
1	SE	6	SM	6E	1		OHIO OIL					Observation well Well head pressure Casing pressure Tubing pressure
7	SE	6	SN	6E	1		TEXOTA FE	DERAL	"L" WELL			Observation well Well head pressure S-Zone SI-Zone

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

GPO 837-082

SILA	MANAMA				
stude:	4 Burens	No.	43	X12X	3

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	400.1.1-1.
ornor Salt Lake	
EASE NUMBER <u>070555</u>	
NIT	

LESSEE'S MONTHLY REPORT OF OPERATIONS

•	Agent's	addı	·ess								EUEL SUPPLY COMPANY			
	Phone .							4139 Signed D. YYULLEY Agent's title MANAGER GENERAL ACCOUNTING						
•	Bec. and 14 of 14	TWP.	RANGE	WELL No.	DATS PRODUCED	Barrels of Oil	GRAVITY	Cv. Fr. or Gas (In thousands)	Gallons of Gasoline Recovered	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth: if shut down, cause; date and result of test for gasoline content of gas)			
					_	GOVERNMENT	WELL	<u> </u>						
J	se 6	SN	6E	1							Injection and with- drawal of gas during month. Well head pressure			
J	se 6	2N	6E	2							Observation Well Casing pressure Tubing pressure			
J	se 6	SN	6E	3							Gas withdrawn during month. Well head pressure			
J	sw 6	SM	6E	14							Water withdrawal we Tubing pressure Casing pressure			
						OHIO OIL	co.							
J	se 6	SN	6E	1							Observation well Well head pressure Casing pressure Tubing pressure			
						TEXOTA FE	DERAL	"L" WELL						
J	se 6	SN	6E	1							Observation well Well head pressure S-Zone 538 SI-Zone 537			

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	orm approx Sudget Bure		- R 356.5.
AND OFFICE	Salt	Lake	
EASE NUMBER	07055	55	
JNIT			
JNIT			

LESSEE'S MONTHLY REPORT OF OPERATIONS

	Sta	-					ounty					
		lls) f	or th	e mon	1 th 0	· UL	Lile	·	., 19	·····		drilling and producing UEL SUPPLY COMPANY
	 Ph	one .					E CITY, UT			- / 1	hust.	AGER GEN'L. ACCTG.
	SEC 14	. AND	Twp.	RANGE	WELL	DATS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. or Gas (In thousands)	Quitova or	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if sbut down, cause; date and result of teet for gasoline content of gas)
NW	SE	6	2N	6E	1		GOVERNMEN	T WELL	<u>s</u>			Injection and with- drawal of gas during month. Well head
NW	SE	6	2N	6E	2							pressure 577 Observation Well Casing pressure 27 Tubing pressure 27
NW	SE	6	2N	6E	3							Gas withdrawn during month. Well head pressure520
SW	SW	6	2N	6E	4							Water withdrawal well Tubing pressure 633 Casing pressure 616
NW	SE	6	2N	6E	1		OHIO OIL (0.				Observation well Well head pressure Casing pressure 426 Tubing pressure 622
МW	SE	6	2N	6E	1		TEXOTA FEI	ERAL	"L" WELL			Observation well Well head pressure S-Zone 578 SI-Zone 584
		Nor	e.—Th	iere wei	re	MO		runs or	sales of oil;	NO		M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	orm approvudget Bure	red. au No. 42-R356.5.
LAND OFFICE	Salt	Lake
LEASE NUMBER	07055	55
UNIT		

LESSEE'S MONTHLY REPORT OF OPERATIONS



				•••••	SAL		X 11368 E CITY, UTA	AH 8	. =	ned	en Q	HEL SUPPLY COMPANY AGER GEN'L. ACCTG.
	SEC	one.		RANGE	***	DATS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (II	REMARKS (If drilling, depth: if shut down, cause; date and result of teet for gasoline
							GOVERNMEN'	r WELL	S	RECOVERED	none, sc state;	content of gas)
J	SE	6	2N	6E	1						•	Injection and with- drawal of gas durin month. Well head
Ī	SE	6	2N	6E	2	Company opening your many or control on the control of the control		NUG NUG NUG	1976 191976 2017/149			Observation Well Casing pressure 2 Tubing pressure 2
	SE	6	2N	6E	3							Gas withdrawn durin month. Well head pressure 603
	SW	6	2N	6E	4						1	Water withdrawal we Tubing pressure 03
•	SE	6	2N	6E	1		OHIO OIL O	0.				Observation well Well head pressure Casing pressure 42 Tubing pressure 55
	SE	6	2N	6E	1		TEXOTA FEI	ERAL	'L" WELL			Observation well Well head pressure S-Zone 505 SI-Zone 507

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

SATE OF UTAH

SUBM N TRIPLICATE (Of instructions on reverse side)

	ATURAL RESOURCES GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. SLC 070555
SUNDRY NOTICES AND (Do not use this form for proposals to drill or use "APPLICATION FOR PEI	REPORTS ON WELLS to deepen or plug back to a different recervoir. RMIT—" for such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL Gas Store	age Well	Lease E. F. Parkinson
Questar Pipeline Company (Forme	erly Mountain Fuel Resources)	6. FARN OR LEASE NAME Chalk Creek Gas Storage
P.O. Box 11450, Salt Lake City,		MFS Co. Gov't No. 3
4. LOCATION OF WELL (Report location clearly and in ac See also space 17 below.) At surface	cordence Air Dis des Codences ofen.	Chalk Creek, Kelvin
SE, NW, SE, 1800' FEL, 1,875	5' FSL APR 24 1989	Sec. 6, T2N, R6E
14. PERMIT NO. 18. SLEVATION KB 6,564	GR 6,556 OIL, GAS & MINING	12. COUNTY OR PARISM 18. STATE Summit Utah
16. Check Appropriate Bo	x To Indicate Nature of Notice, Report, a	
OTICE OF HITSHEION TO:		ASQUENT ABPORT OF:
FRACTURE TREAT SHOOT OR ACIDIZE XX ABANDON®		ALTERING CASING ASANDONMENT®
REPAIR WELL CHANGE PLANS (Other) See Below	(Other)	uits of multiple completion on Well ompletion Report and Log form.
		ten including estimated date of starting any
increase deliverability and set. 1. Clean out well to 1,500' 2. Set packer at 1,350' 3. Run seal assembly, safety 4. Acidize well with 800 gals This program is scheduled to b	e started in June, 1989.	safety valve:
SIGNED A PROPERTY OF THE STREET OF THE STREE	TITLE Manager, Reservoir En	
(This space for Federal or State office use)		ED BY THE STATE TAH DIVISION OF
CUMPIAL IS OF APPROVAL, IF ANT:	OIL, G	AS, AND MINING 5-4-89
operations	*See Instructions on Reverse Side	R. Bys

Fox	DEPARTME	OGICAL	THE INT SURVE	TERIOR Y EV. Feb 76		Communitiză	81 0705 Hon Agreement Chalk Cree	No.	
, 0,	OMB		- ROS				Area		
	1101	F 11 14 40.					umi t		ate_Utah
	MUN	THLY R. OF	EPORT			Operator Mo	ountain Fuel		
	C)	PERATIO	ONS				Banast		
						Amended 1	webort		
The fc4		27ect re	post of		·	tion (including statement)		gged wells) for	the month of
	and the tar	es of cha	lassa.	Failura to	raport cau	.S.C. 379, 25 U.E.C Tanull in the tages on to cancel the la	exant of liquidat	ed damagea (30 C	FR 221.54 (:)).
FM Es	e: t Kyk	1787	Prig	Wei Status	Days Prod	લ Ca દ્વસ્ત્રહા	PLUF OF Gas	of vister	Remodis
1	NW SE6	2N	6E		GOVERN	ENT WELLS	The second s		Injection and with- drawal of gas during month. Well head pressure 839
3	NW SE6	SN SN	6E 6E						Observation well Casing pressure 23 Tubing pressure 23 Gas withdrawn during month. Well head pressure 55
lı	SW SW6	2N	6E						Water withdrawal well. Tubing pressure 90 Casing pressure 70
	and the second		· · · · · · · · · · · · · · · · · · ·	- /		Al nome, so Icipating Ar		unliked A	ree herin
D: E LO	istson of	prou	ucero	in Cream	F-313 E	Canaling Av	[1] [1] [1] L.	MILLIEU A	6 45 G - SJ (2) I ED /
		·		C	es (BBI	ondensa te S)	Gas . (MC)		Water (BBLS)
eFroda #Sold eSpil: eFlar. eVed #Inje #Surf. #Othe #On h #AFI	led or lead or Ver on Lead eved see Firs r (Ident: and, End Gravity/)	oet oted a (fy) of Ma eTU Co	onth ontent	Original John J. P	Signed Peppinger	Comments of the control of the contr	MACHINE CONTROL OF THE CONTROL OF TH	EXECUTION OF THE P. O. Box Salt Lake	EXECUTATION OF SULL SULL SULL SULL SULL SULL SULL SUL
Title	: Asst.	Mgr.	Gent	1. Accts.	s activity of the last of the	gadig adirik adigilik orda diberarik diberarik diberarik	Pag	ye <u>l</u> s	2

81 0705



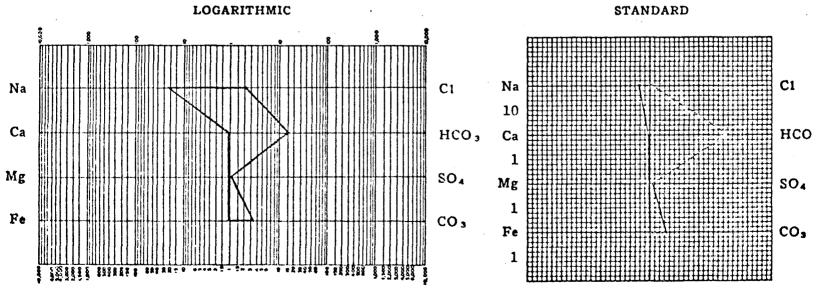
CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MEMBEROPERATOR WELL NO FIELD COUNTY STATE	Mountain Fuel Su Mountain Fuel Su 3 Government Chalk Creek Summit Utah		LAB NO	Kelvin 1376 - M Pro		5 (5) on	o. 2-373
REMARKS & CON	vcLusions: Cloudy	water wit	h clear filt	rate.			
Cations Sodium	mg/1 457 8 - 12 - 5 - Present	meq/1 19.86 0.20 0.60 0.41 Present	Anions Sulfate • Chloride • Carbonate Bicarbonate Hydroxide Hydrogen sul			mg/1 16 76 96 39 	meq/1 0.33 2.14 3.20 15.40 Present
Total dissolved solids	i, mg/1	1132 945 8.7	Specific resis Obse Calcu	itance @ (Anions 68° F.:	6.35	ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit



DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUBN N TRIPLICATES
(O instructions on reverse side)

	0
•	•

ולועוט	ON OF OIL, GAS,	AND MINING		
		-	SLC 07055	
SUNDRY NOT	ICES AND REP	ORTS ON WELLS	6. IF INDIAN, ALLOTT	ER OR TRIBE NAME
OIL UAR			7. UNIT AGREEMENT	MAMS
WELL WELL OTHER		CED 06 1989	Lease E. F.	
NAME OF OPERATOR	1	UL1	8. FARM OR LEASE NO	AMB
Questar Pipeline Compa	any (mour	the Just Suff	Chalk Creek	Gas Storag
ADDRESS OF OPERATOR	-1 - 0' IIII	8/1//7 01L, GAS & MININ	9. WELL NO.	
P.O. Box 11450, Salt I		04147	MFS Co. Gov	
See also space 17 below.)	searty and th accordance	a with any state tednitements.	Chalk Creek	
			11. asc., T., B., M., OS	BLE. AND
SE, NW, SE 1,800' FEL	1,875' FSL		SURVEY OR ALE	04
,	•		Sec. 6, T2N	, R6E
PERMIT NO.	15. SLEVATIONS (Show	whether of, st. qs. etc.)	12. COUNTY OR PARIS	M 18. STATE
43-043-05007	KB 6,564'	GR 6,556'	Summit	Utah
#Ll. A				
		ndicate Nature of Notice, R	PON, OF OTHER DATA	
NOTICE OF INTER	ITION TO:		SUBSEQUENT EBPORT OF:	
TEST WATER SEUT-OFF	PULL OR ALTER CASING	WATER SHUT-OF	REPAIRING	WELL
PRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREAT	7777	
SHOOT OR ACIDIZE	ABANDON*	SHOUTING OR AC		ENT*
	CHANGE PLANS	(Nors: Re	e Below port results of multiple completion	on Well
(Other)		Completio	or Recompletion Report and Log for	nrm.)
proposed work. If well is directly nent to this work.)	onally drilled, give supe	all pertinent details, and give per purface locations and measured and	inent dates, including estimated da true vertical depths for all marke	. · · · · · · · · · · · · · · · · · · ·
Questar Pipeline Compa July 1st and finished	any has carried on July 8th).	nil pertinent details, and give permurface locations and measured and	inent dates, including estimated da true vertical depths for all marke	ie aud nouve pers
Questar Pipeline Compa	any has carried on July 8th).	all pertinent details, and give permurface locations and measured and	inent dates, including estimated da true vertical depths for all marke	ie aud nome per
Questar Pipeline Compa July 1st and finished 1. Killed well and cl 2. Acidized well with	any has carried on July 8th). Leaned out to 1	all pertinent details, and give permurface locations and measured and	inent dates, including estimated da true vertical depths for all marke	ie aud nouve pers
Questar Pipeline Compa July 1st and finished 1. Killed well and cl 2. Acidized well with 3. Run pipe analysis	any has carried on July 8th). Leaned out to 1 1 800 gallons 7 1 log (Schlumber	nil pertinent details, and give permurface locations and measured and details and give permurface locations and measured and details. 1,500' 7.5% HCI rger) and set Otis WD	packer at 1,335	ted on
Questar Pipeline Compa July 1st and finished 1. Killed well and cl 2. Acidized well with 3. Run pipe analysis 4. Run 2 7/8" 0.D. tu safety valve (both	any has carried on July 8th). Leaned out to 1 1 800 gallons 7 1 log (Schlumber bing with slid from Otis).	Il pertinent details, and give permurface locations and measured and details. The control of the	inent dates, including estimated date true vertical depths for all market brokever program (start) packer at 1,335	RL AND GAS
Questar Pipeline Compa July 1st and finished 1. Killed well and cl 2. Acidized well with 3. Run pipe analysis 4. Run 2 7/8" 0.D. tu	any has carried on July 8th). Leaned out to 1 1 800 gallons 7 1 log (Schlumber bing with slid from Otis).	Il pertinent details, and give permurface locations and measured and details. The control of the	packer at 1,335' osition and subsurface	L AND GAS
Questar Pipeline Compa July 1st and finished 1. Killed well and cl 2. Acidized well with 3. Run pipe analysis 4. Run 2 7/8" 0.D. tu safety valve (both	any has carried on July 8th). Leaned out to 1 1 800 gallons 7 1 log (Schlumber bing with slid from Otis).	Il pertinent details, and give permurface locations and measured and details. The control of the	packer at 1,335' osition and subsurface DRN JRB	L AND GAS
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OPERATOR CHANGE WORKSHEET

1. GLH 2. CDW 3. FILE

Change of Operator (Well Sold)

5. If NO, the operator was contacted contacted on:

Designation of Agent/Operator

X Operator Name Change

Merger

FROM: (Old Operator): N0680-Mountain Fuel Supply Company 180 E 100 S Salt Lake City, UT 84139 Phone: 1-(801) 534-5267 CA No. WELL(S)	PO Box	Pipeline Com 11450 City, UT 84								
180 E 100 S Salt Lake City, UT 84139 Phone: 1-(801) 534-5267 CA No. WELL(S)	N7560-Questar I PO Box Salt Lake Phone: 1-(801) 5	Pipeline Com 11450 City, UT 84								
Salt Lake City, UT 84139 Phone: 1-(801) 534-5267 CA No. WELL(S)	PO Box Salt Lake Phone: 1-(801) 5	11450 City, UT 84			N7560-Questar Pipeline Company					
Phone: 1-(801) 534-5267 CA No. WELL(S)	Phone: 1-(801) 5	=	147		PO Box 11450					
CA No. WELL(S)		30-2019								
WELL(S)										
		_								
NAME SEC TWN RNG	API NO	ENTITY	LEASE	WELL	WELL					
ļ ļ ļ		NO	TYPE	TYPE	STATUS					
COALVILLE GAS STORAGE I 09 020N 050E	4304310691	99990		GS	Α					
	4304330005	99990	Fee	GS	A					
	4304330007	99990		GS	Α					
	4304330009	99990		GS	A					
	4304330011	99990	Fee	GS	A					
	4304330020	99990		GS	A					
	4304330021	99990		GS	Α					
	4304305003	99990	Federal	GS	A					
	4304305004	99990	Federal	GS	Α					
	4304305005		Federal	GS	Α					
	4304305006	99990	Federal	GS	Α					
	4304305007	99990	Federal	GS	A					
	4304305008		Federal	GS	Α					
	4304305009		Federal	GS	Α					
CHALK CREEK GOVT 6 06 020N 060E	4304305018	99990	Federal	GS	Α					
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6. (R649-9-2)Waste Management Plan has been received on:	IN PLACE
 Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian lease. 	
8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator	for wells listed on: n/a
 Federal and Indian Communization Agreements The BLM or BIA has approved the operator for all wells listed 	·
 Underground Injection Control ("UIC" The Division for the enhanced/secondary recovery unit/project for the water of the enhanced /li>	disposal well(s) listed on: N/A
DATA ENTRY: 1. Changes entered in the Oil and Gas Database on:	1/29/2004
2. Changes have been entered on the Monthly Operator Change	Spread Sheet on: 1/29/2004
3. Bond information entered in RBDMS on:	1/29/2004
4. Fee wells attached to bond in RBDMS on:	1/29/2004
5. Injection Projects to new operator in RBDMS on:	n/a
STATE WELL(S) BOND VERIFICATION: 1. State well(s) covered by Bond Number:	n/a
FEDERAL WELL(S) BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:	965002976
INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number:	n/a
FEE WELL(S) BOND VERIFICATION: 1. (R649-3-1) The NEW operator of any fee well(s) listed covered	by Bond Number 965003033
2. The FORMER operator has requested a release of liability from The Division sent response by letter on:	their bond on: N/A N/A
LEASE INTEREST OWNER NOTIFICATION: 3. (R649-2-10) The FORMER operator of the fee wells has been confidence of their responsibility to notify all interest owners of this change	•
COMMENTS:	

3100 U-09712-A et al (U-942)

DECISION

Questar Pipeline Company

Oil and Gas Leases

P.O. Box 11450

U-09712-A et al

Salt Lake City, Utah 84147

Corporate Name Change Recognized

Acceptable evidence has been received establishing that Mountain Fuel Resources, Inc. has changed their name to Questar Pipeline Company. Accordingly, the surviving company, Questar Pipeline Company, is recognized as holding all interests in Federal oil and gas leases which were held by Mountain Fuel Resources, Inc. We are changing our records with respect to the attached listing of oil and gas leases. If there are any other leases that will be affected, please contact this office.

/s/ M. Willis

Chief, Minerals ACTING Adjudication Section

Enclosure List of Leases

cc: All District Offices, Utah

MMS, AFS

MMS, BRASS

920, Teresa Thompson Clay Basin Unit File

CSeare:s1 3/9/89:1642f

RECEIVED

JAN 2 8 2004

List of Leases

Overriding Royalties

U-09712-A U-011246

Operating Rights

SL-045051-A & B SL-045053-A & B SL-062508 SL-0709555 SL-070555-A Y-045049-AB

Clay Basin Gas Storage Agreement Agreement No. 14-08-0001-16009



QUESTAR PIPELINE COMPANY

79 SOUTH STATE STREET • P.O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400 June 23, 1988 CERTIFIED MAIL

RETURNED RECEIPT REQUESTED #P 879 571 459

Bureau of Land Management Utah State Office CFS Financial Center 324 S. State Street Salt Lake City, UT 84111-2303

Re: Name Change

Mountain Fuel Resources, Inc. to Questar Pipeline Company

Gentlemen:

Enclosed for your files and information is a certified copy of the Articles of Amendment to the Articles of Incorporation of Mountain Fuel Resources, Inc. dated March 7, 1988, indicating that Mountain Fuel Resources, Inc. changed its name to Questar Pipeline Company.

Questar Pipeline Company holds interests in the following Federal Oil and Gas Leases in Utah:

and Gas Leases in Utah:

No well = RT	OR'S mt. Fuel Resources	U-9712-A - Questar 100%
SLC-045051(A)	OR'S	
SLC-045053(A)	OR'S	
SLC-045053(B)	OR'S	
SLC-062508 - OR'S		
SLC-070555 - OR'S		
SLC-070555 (A) - OR'S		
Agreement No. 14-08-0001-16009		
(Clay Basin Gas Storage Agreement)		

Please note and adjust your records in accordance with the above and furnish verification of your receipt of this notice to the undersigned.

Sincerely,

力. B. Neese S**eni**or Landman

JBN/sdg

Enclosure

NEW ENTITY NUMBERS ASSIGNED FEBRUARY 2004

ACCT	OPERATOR NAME	API NUM.	Sec	Twnshp	Rng	WELL NAME	ENTITY	EFF DATE	REASON
N7560	Questar Pipeline Co	4304305003	06	020N	060E	Chalk Creek Gov 4	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305004	06	020N	060E	Ohio Govt Well Chalk Creek	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305005	06	020N	060E	Texota Utah Fed L 1	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305006	06	020N	060E	Chalk Creek Gov 2	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305007	06	020N	060E	Chalk Creek Gov 3	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305008	06	020N	060E	Chalk Creek Gov 1	99990 to 14039	2/10/2004	Chalk Creek Gas Storag
N7560	Questar Pipeline Co	4304305009	06	020N	060E	Chalk Creek Gov 5	99990 to 14039	2/10/2004	Chalk Creek Gas Storage
N7560	Questar Pipeline Co	4304305018	06	020N	060E	Chalk Creek Gov 6	99990 to 14039	2/10/2004	Chalk Creek Gas Storage

Note to file: These entity numbers were changed to compliment the operator correction from 3/7/98